Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/16/2020 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125207	0	2.20	125278	2.20
Blue	F	SSC	125000	124786	-1	1.61	125475	1.65
Blue	E	FITC	15892	15530	-3	2.84	338	20.47
Blue	D	PE	29999	29324	-3	1.93	640	15.42
Blue	B	PerCP-Cy5-5	43732	43700	-1	3.79	1166	21.98
Blue	A	PE-Cy7	30845	30757	-1	6.38	585	44.15
Red	C	APC	46112	44945	-3	2.40	1585	12.08
Red	A	APC-Cy7	30458	29364	-4	2.31	778	11.73
Violet	B	V450	7918	7514	-6	4.30	428	12.80
Violet	A	V500	32171	31212	-3	3.99	729	10.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17260	12.73	654	33	N/A	N/A	Pass
Blue	F	SSC	57489	1.20	585	26	N/A	N/A	Pass
Blue	E	FITC	60	68.96	554	11	0.0201	223	Pass
Blue	D	PE	133	52.05	560	12	0.1448	261	Pass
Blue	B	PerCP-Cy5-5	215	51.70	669	13	0.0076	0	Pass
Blue	A	PE-Cy7	106	110.70	714	16	0.0093	15	Pass
Red	C	APC	380	25.40	587	3	0.0249	181	Pass
Red	A	APC-Cy7	172	28.43	558	2	0.0059	1112	Pass
Violet	B	V450	65	57.53	464	6	0.0527	1921	Pass
Violet	A	V500	109	31.77	480	6	0.0250	635	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.70	-32.36	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.65	13.60 - 20.40	N/A	N/A	29.94	30.15	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9505

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments